Molecular and Biochemical Parasitology, 47 (1991) 263-264
© 1991 Elsevier Science Publishers B.V. / 0166-6851/91/$03.50

Contents of Volume 47

Number 1, July 1991

Kinetic properties of fructose bisphosphate aldolase from *Trypanosoma brucei* compared to aldolase from rabbit muscle and *Staphylococcus aureus*
M. Callens, D.A. Kuntz and F.R. Opperdoes (Belgium) 1

Chemical modification of fructose bisphosphate aldolase from *Trypanosoma brucei* compared to aldolase from rabbit muscle and *Staphylococcus areus*
M. Callens and F.R. Opperdoes (Belgium) 11

Characterization of pyruvate kinase of *Trypanosoma brucei* and its role in the regulation of carbohydrate metabolism
M. Callens, D.A. Kuntz and F.R. Opperdoes (Belgium, U.S.A.) 19

Expression site-associated genes transcribed independently of variant surface glycoprotein genes in *Trypanosoma brucei*
S.V. Graham and J.D. Barry (U.K.) 31

Inhibition of the growth of *Plasmodium falciparum* and *Plasmodium berghei* by the DNA polymerase inhibitor HPMPA
E. de Vries, J.G. Stam, F.F.J. Franssen, H. Nieuwenhuijs, P. Chavalitshewinkoon, E. de Clercq, J.P. Overdulve and P.C. van der Vliet (The Netherlands, Belgium) 43

Isolation and characterization of rhoptries of *Plasmodium falciparum*
Z. Etzion, M.C. Murray and M.E. Perkins (U.S.A.) 51

A recombinant clone of *Wuchereria bancrofti* with DNA specificity for human lymphatic filarial parasites
N. Raghavan, L.A. McReynolds, C.V. Maina, S.M. Feinstone, K. Jayaraman, E.A. Ottesen and T.B. Nutman (U.S.A., India) 63

Differences in glucose transport between bloodstream and procyclic forms of *Trypanosoma brucei rhodesiense*
T. Munoz-Antonia, F.F. Richards and E. Ullu (U.S.A.) 73

Substrate-dependent pH optima of gp63 purified from seven strains of *Leishmania*
A.K. Tzinia and K.P. Soteriadou (Greece) 83

Trypanosoma cruzi attachment to lymphocyte muscarinic cholinergic and beta adrenergic receptors modulates intracellular signal transduction
E.S. Borda, L.J. Sterin-Borda, J.O. Pascual, G. Gorelik, J.C. Felix, B.F. von Kreuter and C.A. Santos-Buch (Argentina, U.S.A.) 91

Purification and characterization of a membrane-bound acid phosphatase of *Leishmania mexicana*
B. Menz, G. Winter, T. Ilg, F. Lottspeich and P. Overath (F.R.G.) 101

Purification and characterization of the 3′-nucleotidase/nuclease from promastigotes of *Leishmania donovani*
T.A. Campbell, G.W. Zlotnick, T.A. Neubert, J.B. Sacci, Jr. and M. Gottlieb (U.S.A.) 109

Characterization of a novel developmentally regulated gene from *Trypanosoma brucei* encoding a potential phosphoprotein
E. Wirtz, D. Sylvester and G.C. Hill (U.S.A.) 119

Beta-tubulin and benzimidazole resistance in the sheep nematode *Haemonchus contortus*
G.W. Lubega and R.K. Prichard (Canada) 129

Isolation and polymorphism in mitochondrial DNA from *Schistosoma mansoni (Short communication)*
L. Depres, D. Imbert-Establet, C. Combes, F. Bonhomme and M. Monnerot (France) 139

Number 2, August 1991

A *Plasmodium falciparum* malaria vaccine candidate which contains epitopes from the circumsporozoite protein and a blood stage antigen, 5.1
P. Caspers, H. Etlinger, H. Matile, J.R. Pink, D. Stüber and B. Takács (Switzerland) 143

A DNA sequence (LD1) which occurs in several genomic organizations in *Leishmania*
C.A. Tripp, P.J. Myler and K. Stuart (U.S.A.) 151

Changes in intracellular levels of fructose 2,6-bisphosphate and several glycolytic intermediates in *Leishmania major* promastigotes as a function of pO_2
F.P. Keegan and J.J. Blum (U.S.A.) 161

In vivo and in vitro derived Palo Alto lines of *Plasmodium falciparum* are genetically unrelated
T. Fandeur, S. Bonnefoy and O. Mercereau-Puijalon (France) 167

Metabolism and fate of ecdysteroids in the nematodes *Ascaris suum* and *Parascaris equorum*
G.M. O'Hanlon, M. Cleator, J.G. Mercer, R.E. Howells and H.H. Rees (U.K.) 179

Superoxide dismutases in *Eimeria tenella*
W.P. Michalski and S.J. Prowse (Australia) 189

7H8/6, a multicopy DNA probe for distinguishing isolates of *Plasmodium falciparum*
T. Limpaiboon, M.W. Shirley, D.J. Kemp and A. Saul (Australia) 197

Immunogenicity and sequence analysis of recombinant p58: a neutralization-sensitive, antigenically conserved *Babesia bigemina* merozoite surface protein
V.S. Mishra, E.B. Stephens, J.B. Dame, L.E. Perryman, T.C. McGuire and T.F. McElwain (U.S.A.) 207

Molecular characterization and immunogenicity of neutralization-sensitive *Babesia bigemina* merozoite surface proteins
T.F. McElwain, L.E. Perryman, A.J. Musoke and T.C. McGuire (U.S.A., Kenya) 213

Characterization of microneme proteins of *Toxoplasma gondii*
A. Achbarou, O. Mercereau-Puijalon, J.M. Autheman, B. Fortier, D. Camus and J.F. Dubremetz (France) 223

Biochemical characterization of the protective membrane glycoprotein GP46/M-2 of *Leishmania amazonensis*
L. Rivas, L. Kahl, K. Manson and D. McMahon-Pratt (U.S.A.) 235

Genetic and structural relationships between components of a protective rhoptry antigen complex from *Plasmodium falciparum (Short communication)*
R.G. Ridley, H.-W. Lahm, B. Takács and J.G. Scaife (U.K., Switzerland) 245

The complete sequence of a shed acute-phase antigen of *Trypanosoma cruzi (Short communication)*
G.D. Pollevick, J.L. Affranchino, A.C.C. Frasch and D.O. Sánchez (Argentina) 247

Nucleotide sequence variation in the β-tubulin genes from *Plasmodium berghei* and *Plasmodium falciparum (Short communication)*
A. van Belkum, C. Janse and B. Mons (The Netherlands) 251

Sexing single larval stages of *Schistosoma mansoni* by polymerase chain reaction *(Short communication)*
R.B. Gasser, G. Morahan and G.F. Mitchell (Australia) 255

Author Index 259

Subject Index 261

Contents of Volume 47 263

Erratum 265